







In this graph we present the small changes that can be achieved by using slightly different extra charges on the nuclei bearing unpaired electrons. As an example we report the NO-para system. The sisnglet-triplet energy gap is reported vs. the number of virtual orbitals employed in the DDCI2 calculations, for three set of virtual orbitals.

- 1- canonical MOs
- 2 MVO obtained with extra charge 1.0e on all N and O nuclei.
- 3 MVO obtained with extra charge 0.9e on all N nuclei and 1.1e on all O nuclei.

The case 3 with respect to the case 3, shows a small improvements for low number of virtual orbitals, although for 120 MVOs slightly worse results are observed.

Other possible nuclear extra charges lead to worse results.

